

IN THE CLAIMS:

Amend claims 1-16 as follows:

1.(Currently Amended) A radio receiver system, comprising:

an RF tuner that receives a broadband signal and provides a received radio signal associated with a certain channel F_n in response to a command signal;

a memory device;

an evaluation unit that receives thesaid received radio signal and determines the signal strength of thesaid received signal, and provides a signal strength value indicative thereof; and

a control unit that receives thesaid signal strength value, reduces the value of thesaid signal strength value based upon signal noise on a channel F_{n-1} to provide a corrected signal strength value, and writes to thesaid memory device a frequency signal value indicative of thesaid certain channel F_n and provides thesaid command signal to tune thesaid tuner to thesaid certain channel F_n when thesaid corrected signal strength value is greater than a threshold value.

2.(Currently Amended) The radio receiver system of claim 1, wherein thesaid RF tuner comprises an AM tuner.

3.(Currently Amended) The radio receiver system of claim 2, wherein thesaid controller comprises means for reducing thesaid signal strength value based upon signal noise on a channel F_{n+1} to provide thesaid corrected signal strength value.

4.(Currently Amended) A radio receiver system of claim 1, wherein thesaid control unit reduces the value of thesaid signal strength by a constant value based upon signal noise on a channel F_{n-1} to provide thesaid corrected signal strength value.

5.(Currently Amended) A method for automatically finding a radio program, by which a radio receiver is tuned through a frequency band in discrete steps, such that, for each set frequency, the reception quality at the currently set frequency is determined, the field strength of the neighboring frequencies is measured, and, if a field strength is detected at the neighboring frequencies, these are taken into account in determining the overall reception quality, in that the reception quality is reduced by a noise value, and subsequently the overall reception quality is compared with an upper quality limit, and, if the upper quality limit is exceeded, the through-tuning process of the radio receiver is stopped, and the radio receiver is set to the frequency with sufficient overall reception quality, while otherwise the through-tuning process is continued.

6.(Currently Amended) The method of claim 54, wherein the time behavior of the field strength signal is investigated and, if the frequency being investigated for its reception quality changes in time, the through-tuning process is continued without measuring the field

strength at the neighboring frequencies, while otherwise the field strength at the neighboring frequencies is measured and they are taken into account for the overall frequency.

7.(Currently Amended) The method of claim 54, wherein to investigate the time behavior of the field strength signal, several random samples of this are taken and these are investigated for their variation, and, if significant variations exist, the through-tuning process is continued without measuring the field strength at the neighboring frequencies.

8.(Currently Amended) The method of claim 54, wherein to determine the overall reception quality, the neighboring frequencies are taken into account within a range of 2 kHz above and below the frequency which is being investigated for overall reception quality.

9.(Currently Amended) The method of claim 54, wherein thesaid radio receiver is configured and arranged as an AM radio receiver.

10.(Currently Amended) The method of claim 54, wherein thesaid radio receiver comprises an AM radio receiver.

11.(Currently Amended) A method for automatically finding and storing a radio program, by which a radio receiver is tuned through a frequency band in discrete steps, such that, for each set frequency, the reception quality at the currently set frequency is determined, the field strength of the neighboring frequencies is measured, and, if a field strength is detected at the neighboring frequencies, these are taken into account in determining the

overall reception quality, in that the reception quality is reduced by a noise value, and subsequently the overall reception quality is compared with an upper quality limit, and, if the upper limit is exceeded, the frequency with sufficient overall reception quality is stored in radio program memory, and subsequently the through-tuning process, together with the evaluation of the overall reception quality, is continued until the entire frequency band has been tuned through, in such a way that the stored frequencies can be retrieved by actuating station keys on the radio receiver.

12.(Currently Amended) The method of claim 115, wherein after the reception quality has been determined, it is compared with a minimum quality value and, if the current reception quality is less than this minimum quality, the through-tuning process is continued without measuring the field strength at the neighboring frequencies, while otherwise the field strength at the neighboring frequencies is measured, and they are taken into account for the overall reception quality.

13.(Currently Amended) The method of claim 126, wherein a memory unit stores the values of the field strength and/or of the reception quality and, during the through-tuning process, each frequency is set and investigated ~~only~~ once to determine the field strength and/or reception quality, and the field strength and/or reception quality is stored and is retrieved from the memory unit without being determined anew, if it is needed later on.

14.(Currently Amended) The method of claim 115, wherein the field strength is used as a measure of the reception quality.

15.(Currently Amended) The method of claim 115, wherein ~~the~~said radio receiver is configured and arranged as an AM radio receiver.

16.(Currently Amended) The method of claim 115, wherein ~~the~~said radio receiver comprises an AM radio receiver.